

**Notice of Allowability**

Application No.

10/642,949

Examiner

Nathan M. Nutter

Applicant(s)

OHLSSON, STEFAN BERTIL

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**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 20 February 2007.
2. ☒ The allowed claim(s) is/are 1-3,5,8-21,24,26-45,51-63,67,70 and 73.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
  1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

### REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance: No prior art has been found that either teaches or fairly suggests the production of a heat-shrinkable monolayer film comprising a polymer blend comprising a polyethylene copolymer having a CDBI of at least 70%, a melt index  $I_{2.16}$  of from 0.1 to 15 g/10 min., a density of from 0.910 to 0.940 g/cm<sup>3</sup>, a melt index ratio  $I_{21.6}/I_{2.16}$  of from 30 to 80, and an Mw/Mn ratio of from 2.5 to 5.5; and a low density polyethylene (LDPE) having a melt index  $I_{2.16}$  of from 0.05 to 10 g/10 min and a density of from 0.920 to 0.940 g/cm<sup>3</sup> wherein the film has a clarity value of at least 10%; a puncture resistance damaging energy value of at least 140 mJ/ $\mu$ m; a machine direction plastic force of less than 7 cN/15 mm, and a machine direction shrink stress of at least 1.10 mPa., or the production of a heat-shrinkable multilayer film comprising a polymer blend comprising a polyethylene copolymer having a CDBI of at least 70%, a melt index  $I_{2.16}$  of from 0.1 to 15 g/10 min., a density of from 0.910 to 0.940 g/cm<sup>3</sup>, a melt index ratio  $I_{21.6}/I_{2.16}$  of from 30 to 80, and an Mw/Mn ratio of from 2.5 to 5.5; and a low density polyethylene (LDPE) having a melt index  $I_{2.16}$  of from 0.05 to 10 g/10 min and a density of from 0.920 to 0.940 g/cm<sup>3</sup> wherein the film has a clarity value of at least 20%; a puncture resistance damaging energy value of at least 125 mJ/ $\mu$ m; a machine direction thermal force of at least 1.25N/15 mm; and a machine direction shrink stress of at least 1.20 mPa., or the subsequent use of either product film. The references to Whaley et al (US 6,359,072) and Yap et al (US 6,482,532) teach the manufacture of similar film constructs as herein claimed. However, the puncture resistance values for the references are outside of the

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claimed ranges recited herein. Note the Response of 20 February 2007 for the stoichiometric calculations showing such. Since there are no other outstanding issues with regard to the clarity or enablement of the claims, these claims are deemed to contain allowable subject matter.

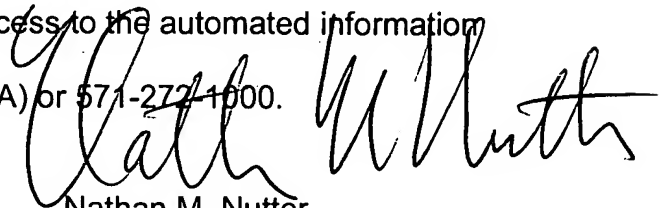
Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nathan M. Nutter whose telephone number is 571-272-1076. The examiner can normally be reached on 9:30 a.m.-6:00 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James J. Seidleck can be reached on 571-272-1078. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Nathan M. Nutter  
Primary Examiner  
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nmn

27 February 2007